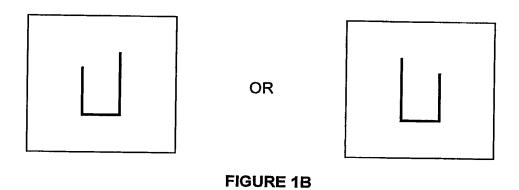


FIGURE 1A



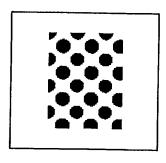


FIGURE 1C

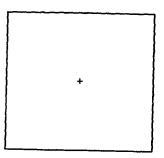
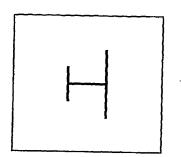


FIGURE 2A



OR

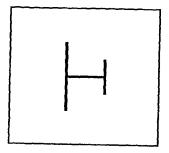


FIGURE 2B

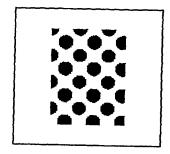


FIGURE 2C

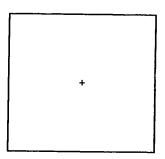


FIGURE 3A

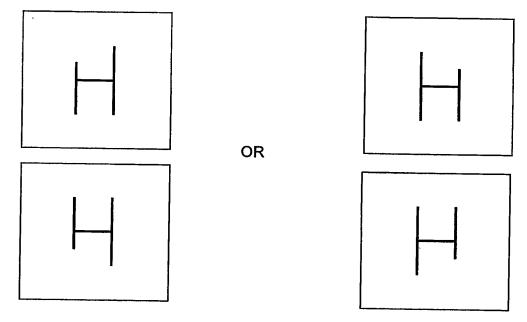


FIGURE 3B

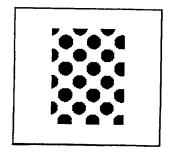


FIGURE 3C

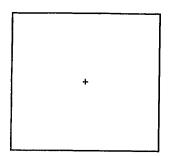


FIGURE 4A

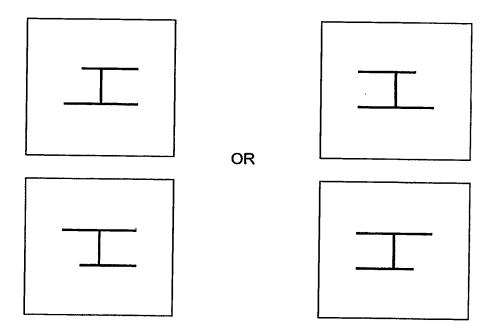


FIGURE 4B

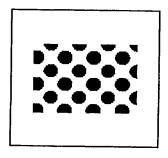


FIGURE 4C

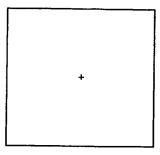


FIGURE 5A

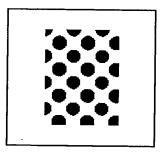


FIGURE 5C

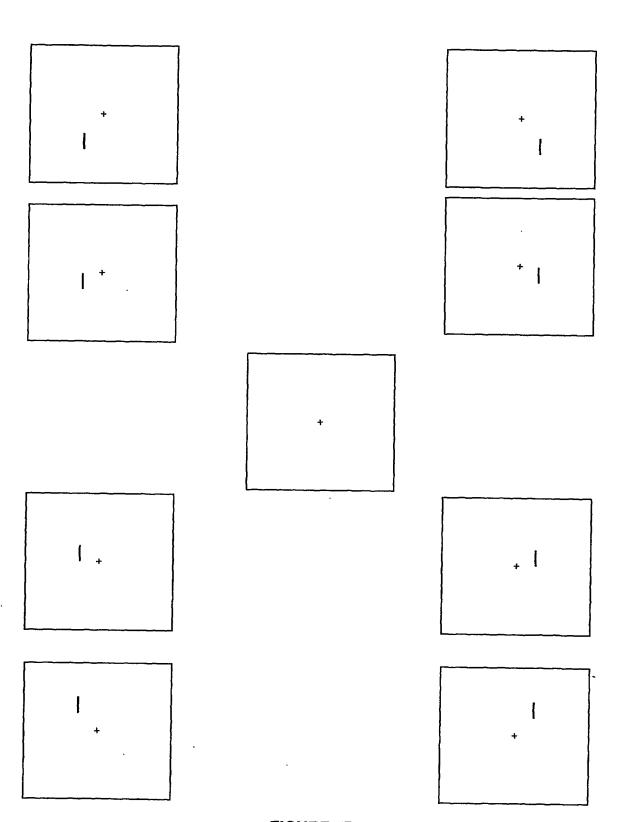


FIGURE 5B

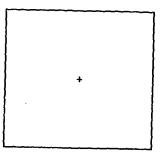


FIGURE 6A

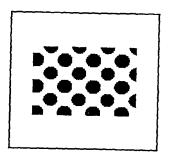


FIGURE 6C

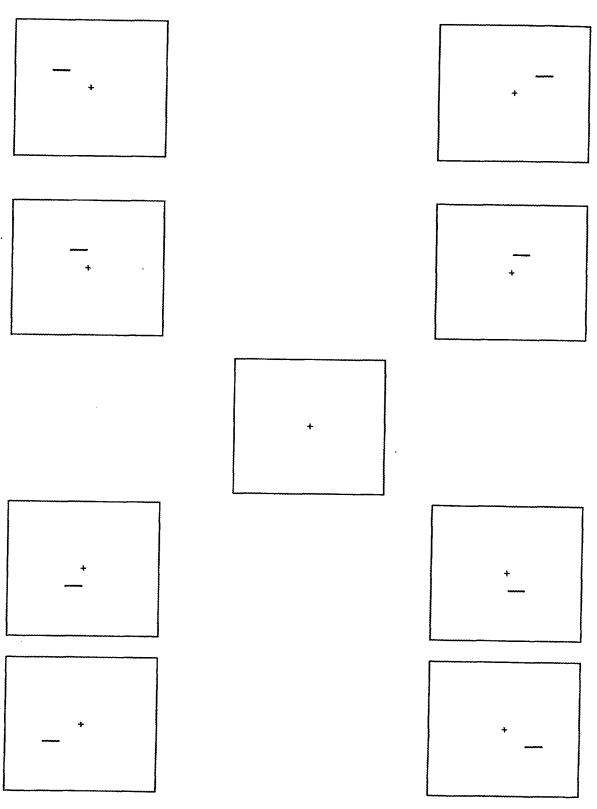


FIGURE 6B

Error rate as a function of MMSE

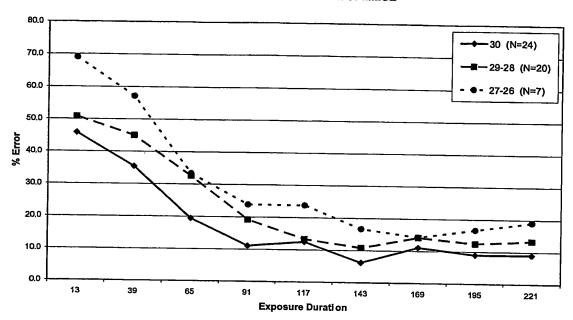


FIGURE 7A

Errors as a function of MMSE

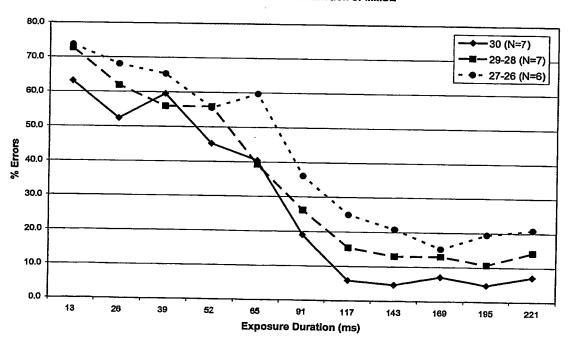


FIGURE 7B

Response Time as a function of MMSE

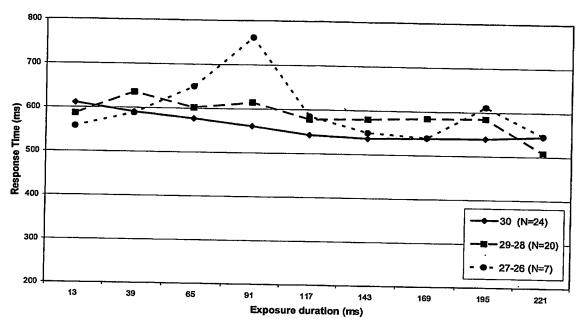


FIGURE 8

% Errors as a function of HDS

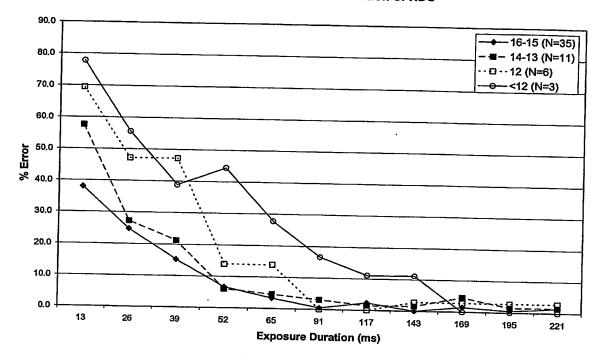


FIGURE 9A

Response Time (ms) as a function of HDS

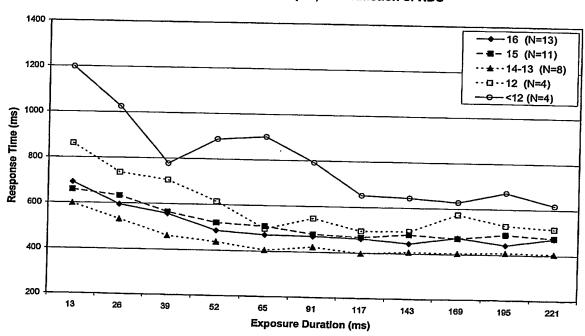


FIGURE 9B

% Error as a function of sleep condition

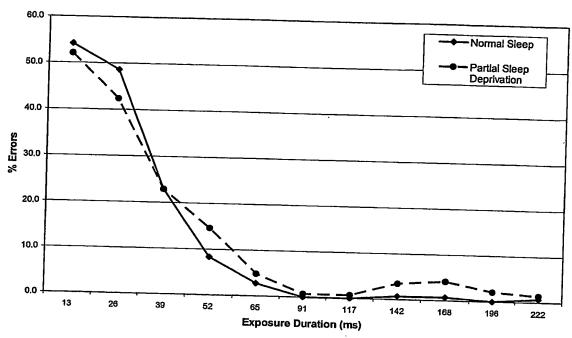


FIGURE 10A

Response Time as a function of sleep condition

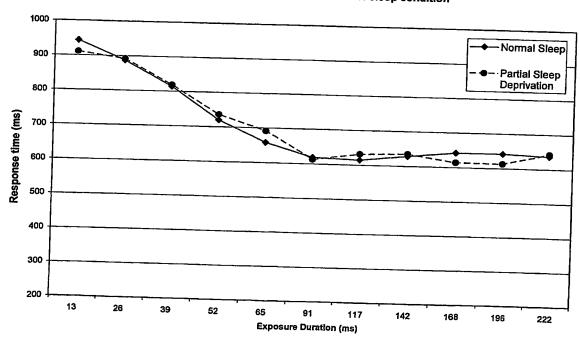


FIGURE 10B

Data				Inter	-Trial Co	orrelatio	ns		
Type	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	MEAN
% Error	.924	.783	.959	.982	.939	.950	.897	816	.906
RT	.975	.984	.987	.971	.987	.975	.987	.974	.980

Table 1

TEST TYPE					EXPOSI	EXPOSURE DURATION	NOL				
	001										
	13.0	76.0	39.0	52.0	65.0	91.0	1170	1420	1600	4050	0.000
NIADT E. S. C. S. C.	0200						?	10.0	03.0	20.0	0.122
MAIN TUIL SCORE IQ	-0.278	-0.228	-0.216	-0.121	-0.250	0.145	0.128	7500	0000	930	
NAME AND A SECOND						2	3)))	25.53	2 2 2 3 3 3	-0.042
INARI Verbal IQ	-0.277	-0.230	-0.212	-0.100	-0.251	-0.145	0 436	0.002	0000	1000	
NADY D. C.				-	2.50	2	5.5	700.5	0.239	0.038	-0.043
INAIN PERFORMANCE IQ	-0.280	-0.231	-0.218	JO 121	0.251	0 115	0 496	6000	300		
				0.16.1	0,50	0,140	رد. ای	700.7	0.738	0.097	-0.043
Geck Depression Inventory	0.136	0.141	-0 030	0.048	0000	7000	210				
			2.5	2.5.5	2.5	77.7	_ \ \ \ \ \ \ \	022	0.110	0 140	7770
									;		1

Table 2A Error Rate (N=42)

TEST TYPE					EXPOS	EXPOSIBE DIIDATION	MOLEN				
	00,				3	202	2		1		
	13.0	76.0	39.0	52.0	65.0	91.0	1170	1430	160.0	405.0	0 700
NADT Evil Cook	0000						2	130.0	103.0	193.0	77.1.0
DI acore in acore	-0.232	-0.201	-0.061	-0.244	-0.367	-0.257	7300	0.244	3700	000	100
NADT Warbol to	9	1000				2	10.4.0	1.5.	0.7.0	-5.588	-0.735
ייין אפוסמו וא	-0.432	-0.200	-0.061	-0.244	-0.368	-0.257	-0.057	0.244	0 045	000	1000
NADT Dorformano 10	9	1000				1212	107.0	1.0.	5.4.5	25.5	-0.735
אויייייי רפונטווופוונפ וע	-0.232	-0.200	-0.061	-0.244	-0.368	-0.257	796 0-	D 314	0.245	0000	2000
Back Doproceipe Investor	1270	3					104:0	110.0	0.410	20.00	-0.230
Seen Depression Inventory	0.174	0.146	0.273	0.090	0.146	0.118	0.227	0.157	0.165	0 101	0 405
									3	20.0	2.50

Table 2B Response Time (N=22)

	TEST TYPE					EXPOS	EXPOSURE DURATION	SATION				
		13.0	26.0	39.0	52.0	65.0	910	117.0	4420	460.0	4050	0,700
Mini	Montol Chate Examination (A) 70							?	143.0	103.0	133.0	0.122
	MILLI MOTICAL STATE EXAMINATION (N=55)	-0.322		-0.405		-0.393	-0.361	-0.380	-0.457	C0C U-	78C 0-	306 0
¥	HIV Dementia Scale (N≃42)	-0.708	-0.510	-0.593	-0.44E	0.400	0 220	7000	0,00	Cimo	0.601	0.000
202						27.0	0.020	-0.507	-0.342			
5	Glooved regodard Dominant Hand (N=42)	0.317		0.412	0.616	0.536	0.575	<i>CC9</i> 0	0.352			
Groo	Grooved Pegboard Nondominant Hand (N=42)	0.403		0 531	0 588	0 560	0 547	7 2	4.002			
_	1			0.00	0.50	0.000	710.0	7/0.0	0.320			
C	IEU Iotal Errors	-0.345		-0.484								
	IED Adjusted Errors			0 220								
L				-C.558								
ΓA	Simple RT (msec)				0.487	0 780	0 530	0.437	0 226		1	
	Choice DT					3	0.00	154.0	0.330			
			-0.378		-0.473	-0.583	-0.360					
N=	SOC Subsequent Thinking Time		-0.327	-0.437	0070	0//0	0 460	0000	677		1	
4		1		2	201.0	2,110	-0.400	-0.3/0	-0.573			
2)	SOC Problems Solved in Min Moves	-0.335	-0.456	-0.382		-0.354						
	SWM Behveen Errors		0.00	-								
		_	-0.352	-0.373	-0 450	-0.542		_			_	11.4

Table 3A (a) Error Rate

	TEST TYPE					EXPOS	EXPOSURE DURATION	MATION				
_		13.0	26.0	39.0	52.0	65.0	9	447.0	7 40 0	4000		
Ž	Wini Mental State Examination (NI-CE)					2000	0.15	0.71	143.0	169.0	195.0	221.0
	III MEHRAL ORGE EXAMINITATION (IN=35)						-0,339					
	HIV Dementia Scale (N≂22)	-0.500	-0.515		-0.492		-0.434					
ğ	Grooved Penhaard Dominant Hand (NL-00)	90, 0					101					
	ביבים במספים הסווווים וו בשנים (א-77)	0.406			0.558	0.628	0.554	0.451	0.440)		
5	Grooved Pegboard Nondominant Hand (N≂22)	0.505	0.472		0.584	0.580	0 582	0 447				
_	IED Total Essain					0.000	0,002	7++-0	0.420			
C	ובת זטומ בווטוא		-0.445	-0.585	-0.418					0.000		
A	IED Adjusted Frons		7070	00,0						-0.400		
N			-0.404	-0.486	-0.472	-0.409	-0.463	-0.436	-0.452	-0.498	-0.559	-0.495
^A	Simple K1 (msec)	0.683	0.588	0.486	0.643	0 805	0.640	0 100	0,00			201.0
В	Choice DT		2	2	25.5	0.030	540.0	0.700	0.649	0.583	0.681	0.560
(-0.418	-0.463		-0.462	-0.477	-0.444	-0.432	-0.431		0.456	007
N=	SOC Subsequent Thinking Time	-0.751	-0.497	-0.401	-0 R2A	0.804	0 0 0	1 6			2	-0.400
=2	SOC Problems Columnation Min Manager			- Pri-S	10.024	160.0-	-0.000	-0.603	-0.550	-0.415	-0.547	-
2)	COLUMN COLLEGE IN IVIII I IVIOVES	-0.440	-0.472	-0.405	-0.473	-0.503	-0.536	J 554	JO 524	0.626	0 500	002.0
_	SWM Retween Errors								7.75	0.000	080'0-	-0.50p
			-0.401	-0.407		-0.479	-0.477	-0.562	-0.542	-0.493	-0.548	-0 602
											2	700.0

Table 3B - Response Time